Automatic transmissions flushing and oil change equipment

Instructions manual
Safety regulations
This manual is intended for workshop personnel in charge of operation and ordinary maintenance therefore, before carrying out any operation, you must carefully read entire manual as it contains important information for safety.

This manual is an integral part of ATF Facile equipment and must always accompany it, even when sold.

ATF Facile operates in presence of oils, therefore you must closely follow any related regulations and restrictions.

Keep away from children.

Before disconnecting the equipment from the vehicle, be sure the cycle has been completed and there is no pressure in the pipes.

Do not use in misty environments.

Do not use close to flammable substances.

Always wear protective clothes, gloves, eyewear.

During operations pay close attention to operating sequence.

Use only genuine materials.

Warranty
ATF Facile is covered by warranty for one year starting from delivery date.
Any misuse or change in procedures written in this manual will break warranty.
Any damage caused by errors, incorrect installation or wrong use of ATF Facile are not covered by warranty. In such cases FM Auto & Servizi will not be liable for any direct or indirect damage deriving from above mentioned conditions.

Environmental notes

NOISE: ATF Facile generate noise lower than 70 dB (A). If placed in noisy environment with noise value greater than 80 db(A), the employer is required to inform and train the operators on risks deriving from noise exposure end take appropriate countermeasures according with company doctor.

PACKAGING: Do not throw any part of packaging in general waste but sort it basing on material kind and dispose it in accordance with local and national regulations.

OUT OF SERVICE: At the end of machine life, you must: 1) deactivate ATF Facile, unplugging it from electrical power and cutting off power cable; 2) disassemble unit components and sort them by kind.

DISPOSAL: At the end of machine life, components must be sorted by kind and disposed in accordance with local and national regulations. In particular, as concerns electric and electronic components called "Waste from electric and electronic equipment (WEEE)" in accordance with Italian Legislative Decree 151/2005 in implementation of directives 2002/95/EC, 2002/96/EC and 2003/108/EC relative to the reduction of hazardous substances in electric and electronic equipment as well as disposal of waste, the Manufacturer instructs: 1) not to dispose it as urban waste but to carry out sorted collection; 2) to enquire with the distributor regarding collection points authorized to regulate disposal; 3) to follow the regulations on correct waste management to prevent potential effects on the environment and human health; This symbol located sideways means the obligation to carry out sorted collection of electric and electronic equipment at time of disposal.

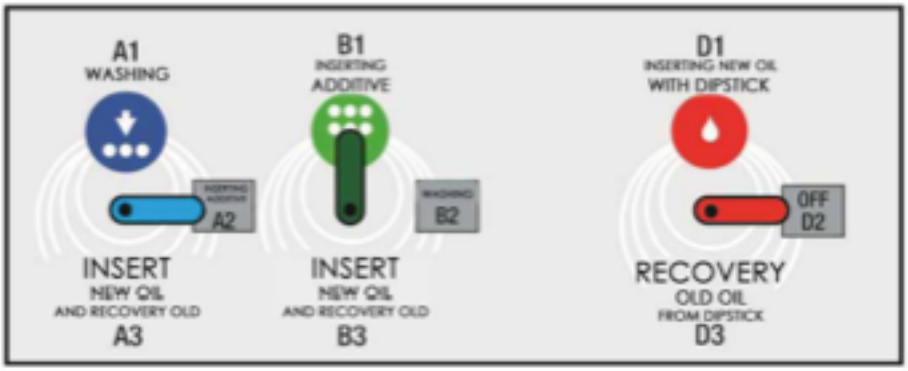
CONTENTS OF THE PACKAGE

Automatic transmission flushing and oil change equipment
Hosiery
Power cable
Connections case

CHAPTER 1
INSERTING FLUSHING ADDITIVE

Turn the blue tap on A2 (off)
Turn the green tap on B1 (Inserimento additive)
Turn the red tap on D2 (off)

Insert the additive in the container located on the side of the machine and open the tap located on it. Turn the station on to suck the product and let it flow into the gear box.

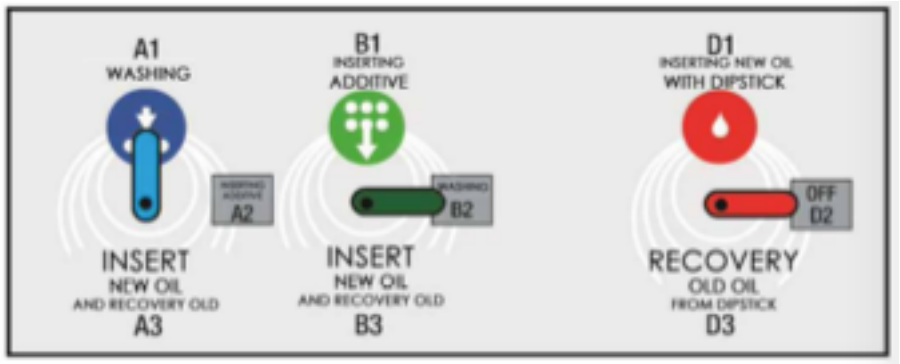


The inclusion of the additive may be obtained in three different modes, depending on the gear box to be treated:

1) insert the product through the tube holding the control stick in gear boxes equipped with dipstick (As on 722.6 and 722.7 class Mercedes transmissions to A168, A169, 722.8 Class A and B, Toyota and others). In such cases In case you do not need to remove oil to add additive.
2) For transmissions with level control caps, keep the engine off and remove the control cap plug. Drain some weak oil (about 500ml) from gearbox, then start the engine keeping gear shift lever in "park" position (P). Transmission will be "below" level and will allow us to insert the additive
3) Is possible to add additive after connecting the station to the tubes of gear box

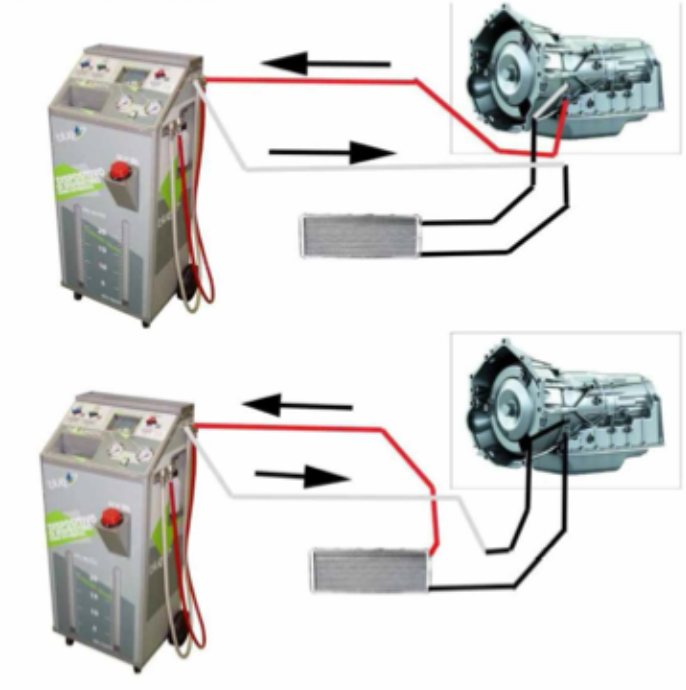
CHAPTER 2
FLUSHING

Turn the blue tap on A1 (lavaggio)
Turn the green tap to B2 (off)
Turn the red tap on D2 (off)



In this position the pump station remains off. Do not switch to ON the power button.

Connect hosiery as shown below.



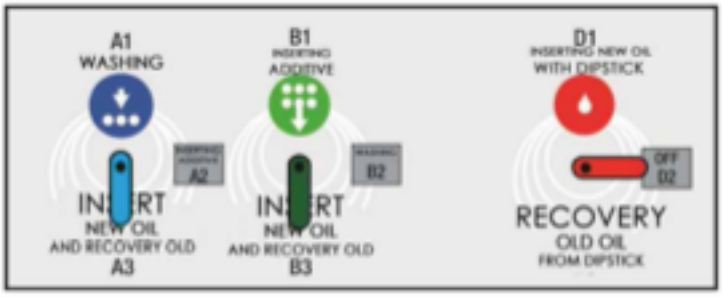
Start the vehicle and make sure:

1. the used oil bulb is loaded first;
2. soiled oil pressure raise on the manometer;
3. soiled oil goes to the new oil bulb;
4. soiled oil returns in the gearbox (oil enters and exits the transmission to run flushing).

In opposite case, swap pipes.

CHAPTER 3
OIL CHANGE

Turn the blue tap on A3 ()
Turn the green tap on B3 ()
Turn the red tap on D2 (off)



Drain soiled oil through the pan drain plug. Remove and clean pan, replace the lubricant filter when possible (in some automatic transmission like Aisin Warner AF40 mounted on Fiat Croma, Opel, Citröen, filter is located within the filter so it should be necessary to open the gearbox to replace them)

Fill station oil tank with at least 12 liters of appropriate new ATF oil.

Turn on the unit and insert 4/5 liters of ATF fluid in the transmission. Turn off the sttion

Start the vehicle engine. Dirty oil will pass from the transmission torque converter through the used oil bulb. In the meantime the pressure will raise and will become readable on the control instrument placed below the bulb itself. Soiled lubricant will be collected in the recovery tank on the side of the station itself.

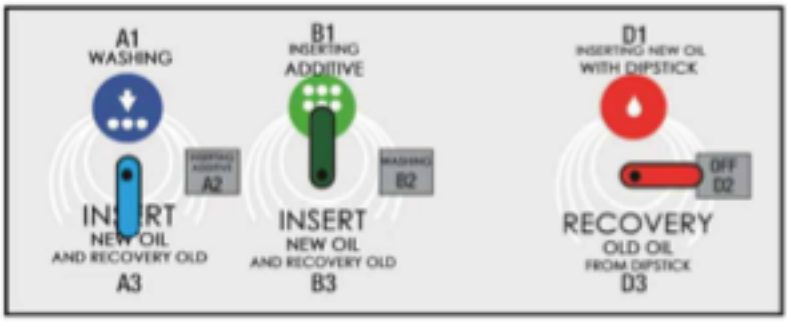
Note: right when some air bubbles appear inside used oil bulb and therefore the pressure reported on the instrument drops down to zero, the engine must be immediately turned off. If you guess there's still dirty oil on the transmission, add some more oil in it and make it flow out in the same previous way until the bulb shows clean lubricant in itself.

Caution: Keeping engine rotation while no lubricant is in, can result in severe damage of the transmission itself.

After this is done, restore the original pipes of the vehicle and check oil level of the transmission. Restore it according to the procedures of the manufacturer.

CHAPTER 4
EMPTYING SOILED OIL

Turn the blue tap on A3
Turn the green tap on B1
Turn the red tap on D2 (off)



This feature allows us to recover the dirty oil from the station after running the flushing job.

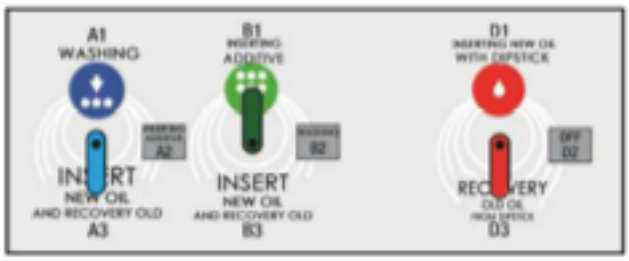
Join an open connection on the transparent tube station and insert it in a container to recover soiled oil.

Connect red tube by a male-male quick connector of the dip-stick side. Turn the station on and the soiled oil will flow in the outer container.

CHAPTER 5
USE OF THE DIP-STICK

Soiled oil suction

Turn the blue tap on A3
Turn the green tap on B1
Turn the red tap on D3

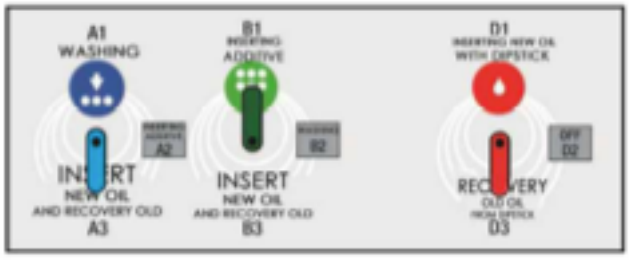


This function allows us to work on automatic transmissions not equipped with a drain plug (Jeep Gran Cherokee and so on) by inserting a tube into the dipstick containment.
Connect the quick dip-stick located on equipment side, close to the additive container and insert it into deeply the dipstick containment.

Turn on the station and the soiled oil will be sucked into the tank.

Inserting new oil

Turn the blue tap on A3
Turn the green tap on B3
Turn the red tap on D1



Changing the position of the levers leaving previous machinery setting allows us to put new oil in the dipstick containment.

Note: The new oil should be pushed into the gearbox by loading it in the station.